DYNACORD®

Technische Informationen

Architects and engineers specifications

PowerMate 600

Power Mixer

BESCHREIBUNG

Die Integration von Mischpult, Leistungsverstärker und Effektgeräten in ein kompaktes und modernes Gehäuse erlebt beim PowerMate 600 einen Höhepunkt. Mit 6 Mic/Line- sowie zwei Stereo/Line Kanälen, zwei mischbaren 24 bit Effektgeräten, 7 Band Master Equalizer und integriertem Power-Amplifier mit 2 x 300 Watt Leistung ist der PowerMate 600 die absolute Allroundlösung für viele Anwendungen.
Bestens geeignet als Komplettlösung sowohl für Alleinunterhalter als auch kleinere Bands. Für Schulen, Vereine oder ähnliche Institutionen ist dieser PowerMate der ideale Problemlöser für unterschiedlichste Beschallungsaufgaben. Sicher und kompakt zu transportieren, schnell und einfach aufzubauen sowie eine unkomplizierte Bedienung sind die Hauptmerkmale des kleinsten Mitglieds in der PowerMate Family.

Pro-Mixing

Professionelle Mischpult-Features auf engstem Raum. Mit 6 Mic/Line sowie zwei Stereo/Line Kanälen, Dreibandklangregelung pro Kanal, separaten Effekt- und Monitorwegen, 7 Band Master Equalizer und LEDAussteuerungsanzeige sowohl pro Kanal als auch im Master wird jede Beschallungsaufgabe zum reinen Vergnügen.

Pro-Power

Trotz kompakten Abmessungen verfügt der PowerMate 600 über eine Ausgangsleistung von 2 x 300 Watt an 4 Ohm und bietet somit große Dynamikreserven bei außergewöhnlich niedrigen Verzerrungs- und Intermodulationswerten.

Pro-Effects

Zwei parallel arbeitende und getrennt regelbare 24bit Stereo Digital-Effektgeräte mit 48bit Algorithmen bieten insgesamt 198 liveoptimierte Presets in Studioqualität.

DESCRIPTION

The integration of mixing console, power amplifier and effects devices in a compact and modern unit reaches a new high with the PowerMate 600.
With 6 Mic/Line as well as two Stereo/Line channels, two mixable 24-bit effects devices, a 7 band master equalizer and integrated 2 x 300 W power amplifier, the PowerMate 600 is the absolute allround solution for a multitude of applications, ideally suited to the needs of both single entertainers and small bands.
For schools, clubs or similar institutions, the PowerMate is the perfect tool for a wide range of sound reinforcement tasks.
Safe and easy to carry, fast and simple to set up, intuitive and uncomplicated to operate, the smallest member of the PowerMate family delivers Dynacord quality in a compact, elegant frame.

Pro-Mixing

All the features of a professional mixing console but without the bulk. With six Mic/Line and two Stereo/Line channels, three-band EQ in every channel, separate effects and monitor sends, a 7-band master equalizer and LED level meters in the master as well as every channel, the Power Mate 600 is a joy to use in any situation.

Pro-Power

Despite its compact dimensions, the PowerMate 600 is rated at 2 x 300 watts into 4 ohms and therefore offers large dynamic reserves with exceptionally low distortion and intermodulation values.

Pro-Effects

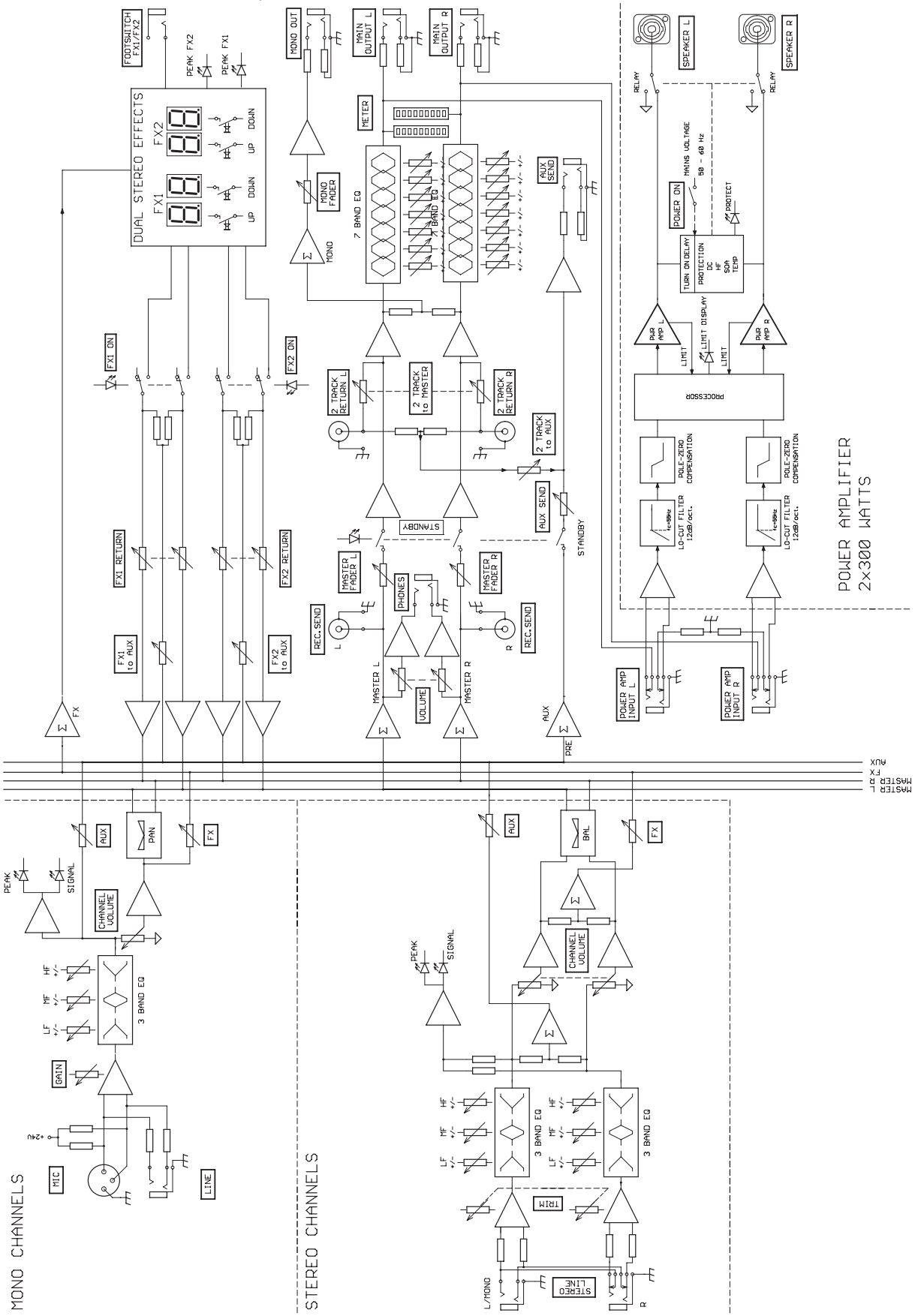
Two parallel and individually controlled 24-bit stereo digital effects devices with 48-bit algorithms offer a total of 198 live-optimised presets in studio quality.

SPECIFICATIONS

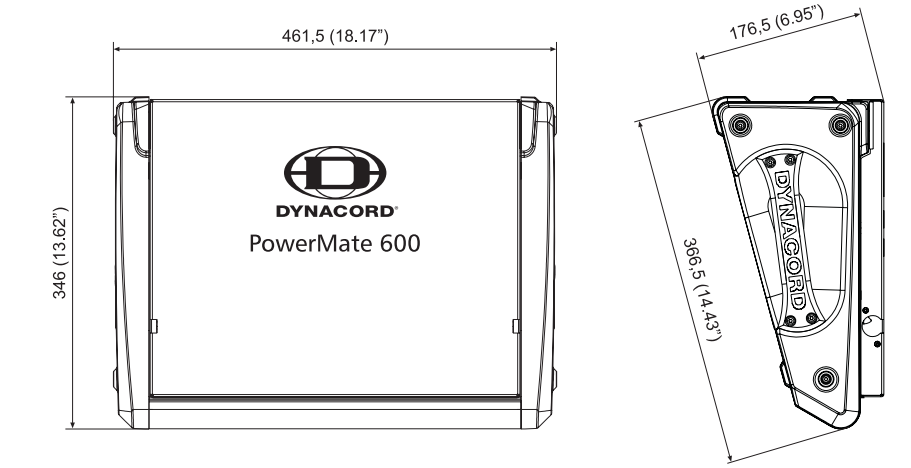
Technical Specifications PowerMate600 Mixing desk in rated condition, Unity Gain (MIC Gain 20 dB), all faders position 0 dB,
all pots in mid position, master fader + 6dB, amplifier rated output power into 8 Ohms, dual channel, unless otherwise specified.

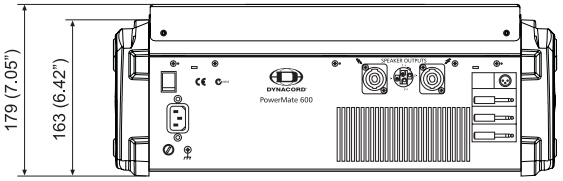
Maximum Midband Output Power, 1 kHz, THD=1%, Dual Channel	
into 4 Ohms	2 x 270 W
into 8 Ohms	2 x 180 W
Rated Output Power, THD=0.1%, Single Channel	
into 4 Ohms	2 x 300 W
into 8 Ohms	2 x 150 W
Maximum Midband Output Power, 1 kHz, THD=1%, Single Channel	
into 4 Ohms	2 x 340 W
into 8 Ohms	2 x 200 W
Maximum Output Voltage of power amplifier, no load	43 Vrms
THD at 1kHz, MBW=80kHz	
MIC input to Main L/R output, +16 dBu, typical	< 0.006%
Power amplifier input to Speaker L/R output	< 0.08%
DIM 30, power amplifier	< 0.03%
IMD-SMPTE, power amplifier, 60Hz, 7 kHz	< 0.2%
Frequency Response, -3dB ref. 1kHz	
Any input to any Mixer output	15Hz ... 60kHz
Any input to Speaker L/R output	30Hz ... 40kHz
Crosstalk, 1kHz	
Fader and AUX-Send attenuation	> 80 dB
Channel to channel	> 70 dB
CMRR, MIC input, 1kHz	> 80 dB
Input Sensitivity, all level controls in max. position	
MIC input	-74 dBu (155 µV)
LINE Input (Mono)	-54 dBu (1.55 mV)
LINE Input (Stereo)	-34 dBu (15.5 mV)
Power Amplifier Input	+6 dBu (1.55 V)
Maximum Level, mixing desk	
MIC inputs	+ 11 dBu
Mono Line inputs	+ 30 dBu
Stereo Line inputs	+ 20 dBu
All other inputs	+ 20 dBu
Record Send output	+ 14 dBu
All other outputs	+ 20 dBu
Input Impedances	
MIC	1.8 kOhms
Insert Return	10 kOhms
EQ Input and 2 Track Return	15 kOhms
All other inputs	> 15 kOhms
Output Impedances	
Record Send	1 kOhm
Phones	47 Ohms
All other outputs	75 Ohms
Equivalent Input Noise, MIC Input, A-weighted, 150 Ohms	-130 dBu
Noise, Channel inputs to Main L/R outputs, A-weighted	
Master fader down	-90 dBu
Master fader 0 dB, Channel fader down	-89 dBu
Master fader 0 dB, Channel fader 0 dB, Channel gain unity	-83 dBu
Signal/Noise-Ratio, power amplifier, A-weighted	105 dB
Equalization	
LO Shelving	± 15 dB / 60 Hz
MID Peaking, mono inputs	± 15 dB / 2.4 kHz
MID Peaking, stereo inputs	± 15 dB / 2.4 kHz
HI Shelving	± 15 dB / 12 kHz
Master EQ, 2x7-band, 63, 125, 400, 1k, 2k5, 6k, 12k Hz	± 10 dB
Power Consumption at 1/8 maximum output power, 4 Ohms	450 W
Dimensions, (WxHxD), mm	461.5 x 176.5 x 366.5
Weight, without lid	13kg
Optional	
RMK-600 (Rack-Mount-Kit PowerMate600)	112 741
FS11 (Footswitch)	110 693

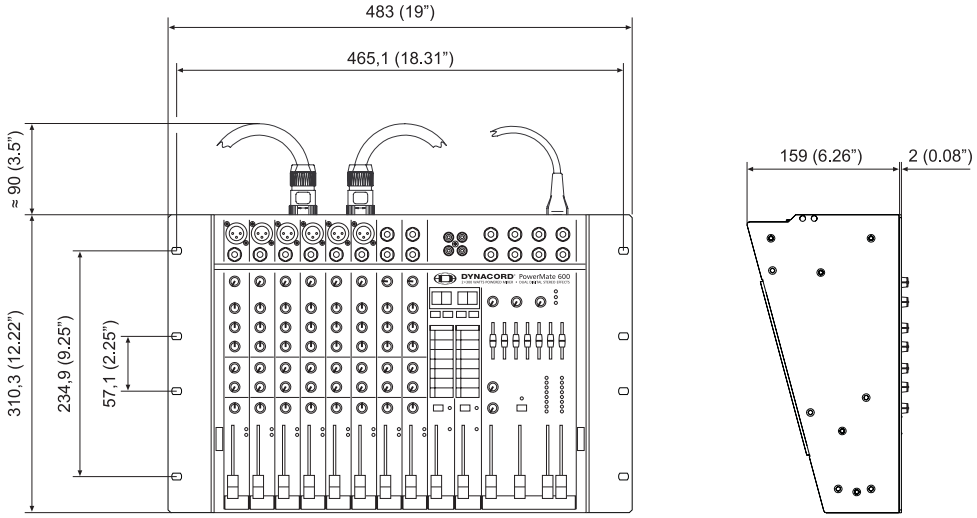
BLOCK DIAGRAM



ABMESSUNGEN / DIMENSIONS







RACK MOUNTED

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